

RAW SEQUENCE LISTING

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Application Serial Number: 10/642,272 A
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PATENT APPLICATION: US/10/642,272A

DATE: 08/29/2005

TIME: 17:51:16

Input Set : A:\10642272.ST25.txt

Output Set: N:\CRF4\08292005\J642272A.raw

3 <110> APPLICANT: Hattori, Fumiuki
4 Sugimura, Keijiro
5 Furuya, Mayumi
7 <120> TITLE OF INVENTION: Therapeutic Methods and Agents for Diseases Associated with
8 Decreased Expression of AOP-1 Gene or AOP-1
10 <130> FILE REFERENCE: 58777.000012
12 <140> CURRENT APPLICATION NUMBER: 10/642,272A
13 <141> CURRENT FILING DATE: 2003-08-18
15 <150> PRIOR APPLICATION NUMBER: PCT/JP02/01358
16 <151> PRIOR FILING DATE: 2001-02-18
18 <150> PRIOR APPLICATION NUMBER: JP 41003/2001
19 <151> PRIOR FILING DATE: 2001-02-16
21 <160> NUMBER OF SEQ ID NOS: 30
23 <170> SOFTWARE: PatentIn version 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1542
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
30 <400> SEQUENCE: 1
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35 agcttgacaa atttattgtt ttctgggtcc agtcaagcaa aattatttcag caccagttcc 180
37 tcatgccatg caccctgtgtt caccctcgat gcaccctattt ttaagggtac agccgttgc 240
39 aatggagagt tcaaagacactt aaggcattgtat gactttaagg ggaatattttt ggtgcctttc 300
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43 gctaacaat ttcacgtatgtt gaactgtgaa gttgtcgcag tctcgttgaa ttcccaacttt 420
45 agccatcttg cctggataaaa tacaccaaga aagaatggtg gtttgggcca catgaacatc 480
47 gcactcttgtt cagacttaac taagcagattt tcccgagactt acgggtgtgtt gtttagaagg 540
49 tctggctctt cactaagagg tcttttcata attgacccca atggagtcat caagcattt 600
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55 acgatcaagc caagtccagc tgcttccaaa gagtactttc agaaggtaaa tcagtagatc 780
57 acccatgtgtt atctgcaccc tctcaactgaa gagaagaacc acagttgaaa cctgccttt 840
59 tcattttcaaa gatggttattt tggatggc aaggaaccaa ttatgttgcatttataatgtt 900
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63 ctgtacagg aatcggtt tggtaacatc ttgggtggctg gctagctgtt ttctacagaa 1020
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86 <212> TYPE: DNA
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94 gcctgttgct tctagaagaa cctgcttgcac agacatgctg tggctgtgcct gtccccaagc 180
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140 <211> LENGTH: 1382
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167 cgggtggcccg cagtgtggaa gaaacactcc gtttggtaaa ggcgttccag tttgtatgaga 720
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175	attatttata	aatggcaaa	acctcattat	gtttgtgtt	ataagtactg	ctccacagggc	960									
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214			50				55			60						
217	Val	Thr	Gln	His	Ala	Pro	Tyr	Phe	Lys	Gly	Thr	Ala	Val	Val	Asn	Gly
218			65				70			75			80			
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226			100				105			110						
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230			115				120			125						
233	Val	Val	Ala	Val	Ser	Val	Asp	Ser	His	Phe	Ser	His	Leu	Ala	Trp	Ile
234			130				135			140						
237	Asn	Thr	Pro	Arg	Lys	Asn	Gly	Gly	Leu	Gly	His	Met	Asn	Ile	Ala	Leu
238	145				150			155			160					
241	Leu	Ser	Asp	Leu	Thr	Lys	Gln	Ile	Ser	Arg	Asp	Tyr	Gly	Val	Leu	Leu
242					165			170			175					
245	Glu	Gly	Ser	Gly	Leu	Ala	Leu	Arg	Gly	Leu	Phe	Ile	Ile	Asp	Pro	Asn
246			180				185			190						
249	Gly	Val	Ile	Lys	His	Leu	Ser	Val	Asn	Asp	Leu	Pro	Val	Gly	Arg	Ser
250			195				200			205						
253	Val	Glu	Glu	Thr	Leu	Arg	Leu	Val	Lys	Ala	Phe	Gln	Tyr	Val	Glu	Thr
254			210				215			220						
257	His	Gly	Glu	Val	Cys	Pro	Ala	Asn	Trp	Thr	Pro	Asp	Ser	Pro	Thr	Ile
258	225				230					235			240			
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266 <211> LENGTH: 257
267 <212> TYPE: PRT
268 <213> ORGANISM: Rattus norvegicus
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276 Ala Ser Thr Ile Phe Arg Ser Ile Ser Ala Ser Thr Val Leu Arg Pro
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280 Val Ala Ser Arg Arg Thr Cys Leu Thr Asp Met Leu Trp Ser Ala Cys
281 35 40 45
284 Pro Gln Ala Lys Phe Ala Phe Ser Thr Ser Ser Phe His Thr Pro
285 50 55 60
288 Ala Val Thr Gln His Ala Pro His Phe Lys Gly Thr Ala Val Val Asn
289 65 70 75 80
292 Gly Glu Phe Lys Glu Leu Ser Leu Asp Asp Phe Lys Gly Lys Tyr Leu
293 85 90 95
296 Val Leu Phe Phe Tyr Pro Leu Asp Phe Thr Phe Val Cys Pro Thr Glu
297 100 105 110
300 Ile Val Ala Phe Ser Asp Lys Ala Asn Glu Phe His Asp Val Asn Cys
301 115 120 125
304 Glu Val Val Ala Val Ser Val Asp Ser His Phe Ser His Leu Ala Trp
305 130 135 140
308 Ile Asn Thr Pro Ala Lys Asn Gly Gly Leu Gly His Met Asn Ile Thr
309 145 150 155 160
312 Leu Leu Ser Asp Leu Thr Lys Gln Ile Ser Arg Asp Tyr Gly Val Leu
313 165 170 175
316 Leu Glu Ser Ala Gly Ile Ala Leu Arg Gly Leu Phe Ile Ile Asp Pro
317 180 185 190
320 Asn Gly Val Ile Lys His Leu Ser Val Asn Asp Leu Pro Val Gly Arg
321 195 200 205
324 Ser Val Glu Glu Pro Leu Arg Leu Val Lys Ala Phe Gln Phe Val Glu
325 210 215 220
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329 225 230 235 240
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340 <210> SEQ ID NO: 6
341 <211> LENGTH: 257
342 <212> TYPE: PRT
343 <213> ORGANISM: Mus sp.
345 <400> SEQUENCE: 6
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356 35 40 45
359 Ala Gln Gly Leu Ser Ala Phe Ser Thr Ser Ser Phe His Thr Pro

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 363 Ala Val Thr Gln His Ala Pro Tyr Phe Lys Gly Thr Ala Val Val Asn
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 371 Val Leu Phe Phe Tyr Pro Leu Asp Phe Thr Phe Val Cys Pro Thr Glu
 372 100 105 110
 375 Ile Val Ala Phe Ser Asp Lys Ala Asn Glu Phe His Asp Val Asn Cys
 376 115 120 125
 379 Glu Val Val Ala Val Ser Val Asp Ser His Phe Ser His Leu Ala Trp
 380 130 135 140
 383 Ile Asn Thr Pro Arg Lys Asn Gly Gly Leu Gly His Met Asn Ile Thr
 384 145 150 155 160
 387 Leu Leu Ser Asp Ile Thr Lys Gln Ile Ser Arg Asp Tyr Gly Val Leu
 388 165 170 175
 391 Leu Glu Ser Ala Gly Ile Ala Leu Arg Gly Leu Phe Ile Ile Asp Pro
 392 180 185 190
 395 Asn Gly Val Val Lys His Leu Ser Val Asn Asp Leu Pro Val Gly Arg
 396 195 200 205
 399 Ser Val Glu Glu Thr Leu Arg Leu Val Lys Ala Phe Gln Phe Val Glu
 400 210 215 220
 403 Thr His Gly Glu Val Val Cys Pro Ala Asn Trp Thr Pro Glu Ser Pro Thr
 404 225 230 235 240
 407 Ile Lys Pro Ser Pro Thr Ala Ser Lys Glu Tyr Phe Glu Lys Val His
 408 245 250 255
 411 Gln

415 <210> SEQ ID NO: 7

416 <211> LENGTH: 21

417 <212> TYPE: DNA

418 <213> ORGANISM: Artificial Sequence

420 <220> FEATURE:

421 <223> OTHER INFORMATION: Forward Primer

423 <400> SEQUENCE: 7

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427 <210> SEQ ID NO: 8

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430 <213> ORGANISM: Artificial Sequence

432 <220> FEATURE:

433 <223> OTHER INFORMATION: Reverse Primer

435 <400> SEQUENCE: 8

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441 <212> TYPE: DNA

442 <213> ORGANISM: Artificial Sequence

444 <220> FEATURE:

445 <223> OTHER INFORMATION: Probe

447 <400> SEQUENCE: 9

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